Detailed Measurement

Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work :- The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
1	KSRRB 200-8. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications. MORTH / Chapter 2 (P.No.138, I.No.18.11 of PW, P&IWTD SR 2018-19) Date 17/1/2020											26926.00
	Pre - Measurement Quantity vide Page no 01								2,358.16			
	Quantity to be Paid								**2,358.16**	**Sqm**	**11.13**	**26,243.82**
2	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.143, I.No.19.1 of PW, P&IWTD SR 2018-19)											
	Pre - Measurement Quantity vide Page no 02 TO 3								318.74			
	Quantity Limited to								**318.74**			
	Approved BOQ Quantity								**309.58**			
	Quantity Limited to								**309.58**	**Cum**	**222.36**	**68,837.69**
3	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, Date 18/1/2020											
	Pre - Measurement Quantity vide Page no 04								32.10			
	Approved BOQ Quantity								**29.93**			
	Quantity Limited to								**29.93**	**Cum**	**5,692.45**	**1,70,375.11**
4	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, Item No. - 5.12 of PW;P&IWTD S.R 2016-17) Date 18/1/2020											
	Pre - Measurement Quantity vide Page no 05								144.41			
	Approved BOQ Quantity								**116.52**			
	Quantity Limited to								**116.52**	**Cum**	**5,841.58**	**6,80,660.27**
5	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Date 21/1/2020											
	Pre - Measurement Quantity vide Page no 06								278.66			
	Approved BOQ Quantity								**212.86**			
	Quantity Limited to								**212.86**	**Sqm**	**111.12**	**23,653.30**
6	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.(P.No.227, I.No.28.7.9 of PW, P&IWTD SR 2018-19)											
	Pre - Measurement Quantity vide Page no 07								12.15			
	Approved BOQ Quantity								**8.45**			
	Quantity Limited to								**8.45**	**Cum**	**5,757.00**	**48,646.65**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Detailed Measurement

Bruhat Bengaluru Mahanagara Palike
Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, neluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17) Date 25/2/2020											
	Pre - Measurement Quantity vide Page no 08								21.07			
	Approved BOQ Quantity								**18.38**			
	Quantity Limited to								**18.38**	**Cum**	**6,169.51**	**1,13,395.53**
8	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P.No 112, I.No.14.61.2 of PW,P&IWTD S.R 2018-19)											
	flooring slab		7	2.95			2.2		45.43			
	around bench		7	10.3			0.5		36.05			
								Total Quantity	**81.48**			
	Approved BOQ Quantity								**79.95**			
	Quantity Limited to								**79.95**	**Sqm**	**2,202.42**	**1,76,083.36**
9	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)											
	Pre - Measurement Quantity vide Page no 09 TO 10								329.60			
	Approved BOQ Quantity								**320.18**			
	Quantity Limited to								**320.18**	**Cum**	**232.59**	**74,472.22**
10	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No: 20.18, of KPWD SR Bangalore Circle 2018-19)											
	Pre - Measurement Quantity vide Page no 11								8.76			
	Approved BOQ Quantity								**8.45**			
	Quantity Limited to								**8.45**	**Cum**	**2101.14**	**17,754.67**
11	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2018-19)											
	gazebo		1	29.21			1.00		**29.21**			
	steps		4	1.50			0.45		**2.70**			
								Total	**31.91**	**Sqm**	**1371.09**	**43,751.34**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
12	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)											
	Pathway											
	0.00	10.00		1	10.00	2.10	2.15	2.13		21.25		
	10.00	20.00		1	10.00	2.15	2.10	2.13		21.25		
	20.00	30.00		1	10.00	2.10	2.10	2.10		21.00		
	30.00	40.00		1	10.00	2.10	2.15	2.13		21.25		
	40.00	50.00		1	10.00	2.15	2.05	2.10		21.00		
	50.00	60.00		1	10.00	2.05	2.10	2.08		20.75		
	60.00	70.00		1	10.00	2.10	2.15	2.13		21.25		
	70.00	80.00		1	10.00	2.15	2.10	2.13		21.25		
	80.00	90.00		1	10.00	2.10	2.05	2.08		20.75		
	90.00	96.00		1	6.00	2.05	2.50	2.28		13.65		
	96.00	98.00		1	2.00	2.50	2.15	2.33		4.65		
	98.00	106.00		1	8.00	2.15	2.10	2.13		17.00		
	106.00	110.00		1	4.00	2.10	2.10	2.10		8.40		
	110.00	120.00		1	10.00	2.10	2.10	2.10		21.00		
	120.00	130.00		1	10.00	2.10	2.15	2.13		21.25		
	130.00	140.00		1	10.00	2.15	2.15	2.15		21.50		
	140.00	150.00		1	10.00	2.15	2.20	2.18		21.75		
	150.00	160.00		1	10.00	2.20	2.20	2.20		22.00		
	160.00	170.00		1	10.00	2.20	2.15	2.18		21.75		
	170.00	180.00		1	10.00	2.15	2.15	2.15		21.50		
	180.00	190.00		1	10.00	2.15	2.00	2.08		20.75		
	190.00	202.00		1	12.00	2.00	2.00	2.00		24.00		
	connecting pathway											
	0.00	2.00		1	2.00	2.20	2.20	2.20		4.40		
	0.00	1.20		1	1.20	3.90	3.90	3.90		4.68		
	0.00	3.90		1	3.90	1.00	1.00	1.00		3.90		
	0.00	2.25		1	2.25	1.40	1.40	1.40		3.15		
	0.00	3.80		1	3.80	1.00	1.00	1.00		3.80		
	0.00	3.80		1	3.80	0.60	0.60	0.60		2.28		
	0.00	4.00		1	4.00	1.00	1.00	1.00		4.00		
	0.00	2.80		1	2.80	1.00	1.00	1.00		2.80		
	0.00	2.30		1	2.30	1.00	1.00	1.00		2.30		
	0.00	2.80		1	2.80	1.00	1.00	1.00		2.80		
	0.00	2.10		1	2.10	1.00	1.00	1.00		2.10		
	0.00	2.80		1	2.80	1.00	1.00	1.00		2.80		
	0.00	5.20		1	5.20	1.00	1.00	1.00		5.20		
	0.00	5.80		1	5.80	1.00	1.00	1.00		5.80		
	0.00	10.00		1	10.00	11.40	11.45	11.43		114.25		
	10.00	16.50		1	6.50	11.45	11.40	11.43		74.26		
	0.00	10.00		1	10.00	2.40	2.45	2.43		24.25		
	10.00	18.00		1	8.00	2.45	2.40	2.43		19.40		
	0.00	2.50		1	2.50	1.50	1.40	1.45		3.63		
	deduct for trees			-1	1.10			2.20		-2.42		

Date 18/5/2020

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike
Project Division, Yelhanka Zone

Name Of work :- The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
			-1	1.20			3.60		-4.32			
			-1	0.60			0.60		-0.36			
			-1	0.30			1.20		-0.36			
	benches											
			-1	2.90			3.00		-8.70			
			-1	2.90			1.90		-5.51			
	ashwath katte											
			-1	4.40			2.00		-8.80			
0.00	2.50		1	2.50	1.50	1.40	1.45		3.63			
0.00	10.00		1	10.00	2.90	2.50	2.70		27.00			
0.00	10.00		1	10.00	2.65	2.65	2.65		26.50			
10.00	20.00		1	10.00	2.65	2.60	2.63		26.25			
20.00	30.00		1	10.00	2.65	2.65	2.65		26.50			
0.00	10.00		1	10.00	2.10	2.15	2.13		21.25			
10.00	15.00		1	5.00	2.15	2.10	2.13		10.63			
	allalsandra											
0.00	5.00		1	5.00	5.30	5.30	5.30		26.50			
0.00	9.00		1	9.00	7.00	7.00	7.00		63.00			
	deduction for room		-1	2.30			3.00		-6.90			
	passage											
0.00	10.00		1	10.00			1.50		15.00			
10.00	16.20		1	6.20			1.20		7.44			
0.00	12.50		1	12.50			5.00		62.50			
							Total Quantity		**993.57**			
							Quantity Limited to		**992.50**	**Sqm**	**1171.88**	**11,63,088.30**
13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19) Date 30/5/2020											
0.00	10.00		2	10.00				0.45	44.00			
10.00	20.00		2	10.00				0.45	44.00			
20.00	30.00		2	10.00				0.45	44.00			
30.00	40.00		2	10.00				0.45	44.00			
40.00	50.00		2	10.00				0.45	44.00			
50.00	60.00		2	10.00				0.45	44.00			
60.00	70.00		2	10.00				0.45	44.00			
70.00	80.00		2	10.00				0.45	44.00			
80.00	90.00		2	10.00				0.45	44.00			
90.00	96.00		2	6.00				0.45	27.00			
96.00	98.00		2	2.00				0.45	9.00			
98.00	106.00		2	8.00				0.45	36.00			
106.00	110.00		2	4.00				0.45	18.00			
110.00	120.00		2	10.00				0.45	44.00			
120.00	130.00		2	10.00				0.45	44.00			
130.00	140.00		2	10.00				0.45	44.00			
140.00	150.00		2	10.00				0.45	44.00			
150.00	160.00		2	10.00				0.45	44.00			

Contractor | Consultants | Assistant Engineer | Assistant Executive Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Brahat Bengaluru Mahanagara Palike
Project Division, Yelahanka Zone

Name of work : The work of Development of Parks and construction of Toilets at 4 Nevtur Parks in Ward No 04 Yelahanka New Town

Name of Agency : M/s K.Gopireddy

Bill No : 1st and Final Bill

Period of Measurement

Sl No	Description of Item		Nos	L	B1	B2	Avg width	Depth	Qty	Remarks / Bills	Rate	Amount
	0.00	130.00	2	10.00				0.45	11.00			
	130.00	150.00	2	10.00				0.45	11.00			
	150.00	180.00	2	10.00				0.45	11.00			
	180.00	190.00	2	10.00				0.45	11.00			
	190.00	202.00	2	12.00				0.45	11.00			
								Total Quantity	891.00			
								Quantity Limited to	882.00	Nos	454.00	4,00,482.00

ANSOR Sor.1 Painting two coats after filling the surface with synthetic enamel paint to approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. ANSOR Chapter 8 (Page No:180, item no:24.1 of KPWD S/R Bangalore Cycle 2018-2019)

0.00	10.00		2	10.00			0.35		7.00			
10.00	20.00		2	10.00			0.35		7.00			
20.00	30.00		2	10.00			0.35		7.00			
30.00	40.00		2	10.00			0.35		7.00			
40.00	50.00		2	10.00			0.35		7.00			
50.00	60.00		2	10.00			0.35		7.00			
60.00	70.00		2	10.00			0.35		7.00			
70.00	80.00		2	10.00			0.35		7.00			
80.00	90.00		2	10.00			0.35		7.00			
90.00	98.00		2	8.00			0.35		5.60			
98.00	108.00		2	5.00			0.35		3.50			
108.00	110.00		2	8.00			0.35		5.60			
110.00	120.00		2	4.00			0.35		2.80			
120.00	130.00		2	10.00			0.35		7.00			
130.00	140.00		2	10.00			0.35		7.00			
140.00	150.00		2	10.00			0.35		7.00			
150.00	160.00		2	10.00			0.35		7.00			
160.00	170.00		2	10.00			0.35		7.00			
170.00	180.00		2	10.00			0.35		7.00			
180.00	190.00		2	10.00			0.35		7.00			
190.00	202.00		2	12.00			0.35		8.40			
								Total Quantity	141.40			
								Quantity Limited to	138.95	Sqm	89.03	12,370.01

Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint (P.No 266 of I.No.37.3 in PW,P&HWTD SR 2018-19)

Date 20/8/2020

chain link fensing

			1	98.20				2.10	206.22			
			1	16.20				2.10	34.02			
			1	98.30				2.10	206.43			
			1	9.00				2.10	18.90			
								Total Quantity	465.57			
								Qty Limtd to	420.00	Sqm	795.72	3,34,203.84

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Scanned by TapScanner

Brahat Bengaluru Mahanagara Palike
Project Division, Yelhanka Zone

Name Of work : - The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurement

Sl No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
16	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) (P.No 266 of I.No.37.2 in PW,P&IWTD SR 2018-19)											
	Chain Link Post		1	91.00			2.40		218.40			
							Total Quantity		**218.40**			
							Quantity Limited to		**160.80**	**m**	**955.98**	**1,53,720.93**
17	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (P.No.266 I.No.37.4 of PW,P&IWTD SR of 2018-19)											
			1	140.00					140.00			
							Total Quantity		**140.00**			
							Quantity Limited to		**130.00**	**m**	**454.06**	**59,027.90**
18	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per directions of the Engineering charge of the work											
	Main gate		2	1.00			2.50	2.10	10.50			
							Total Quantity		**10.50**	**Sqm**	**13097.53**	**1,37,524.11**
19	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification. (Page No. 43 Item No. 7.30 of CSR 2018-19).											
	Gazebo											

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

SR/2021

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
	6 No 150mm dia Hollow Circular Pipes											
			6	3.50				18.90	21.00 396.90			
	Main members 65mm*100mm*6mm		18	2.90				15.00	52.20 783.00			
	Purlines 30mm*50mm*3mm		6	0.35					2.10			
			6	0.65					3.90			
			6	1.00					6.00			
			6	1.35					8.10			
			6	1.80					10.80			
			6	2.10					12.60			
			6	2.45					14.70			
								15.00	58.20 873.00			
								Total Quantity	2052.90			
								Quantity Limited to	2045.10	Kg	142.45	2,91,325.38
20	KSRB 8.4-1 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17. (P.No. 49, I.No. 8.10 of PWD SR 2018-19)											
	Gazebo											
	mangalore tiles		1	50.99		1.00			50.99			
								Total Quantity	50.99			
								Quantity Limited to	49.00	Sqm	1188.57	58,239.93
21	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complate as per specifications.(P 120/ I.15.74 PW,P & IWTD SR - 2018-19)											
	mig park 2											
	chain link fensing											
			1	98.20				2.10	206.22			
			1	16.20				2.10	34.02			
			1	98.30				2.10	206.43			
			1	9.00				2.10	18.90			
	Gazebo											
	Main bars		6	0.52				3.00	9.36			
			18.0	0.33				2.80	16.63			
	Purlins		94.2	0.16				2.60	39.19			
								Total Quantity	530.75			
								Quantity Limited to	478.28	Sqm	105.72	50,565.59

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
22	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)											
	Pre - Measurement Quantity vide Page no 12								98.16			
	Approved BOQ Quantity								96.96			
	Quantity Limited to								96.96	Cum	339.03	32,871.01
23	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)											
	Pre - Measurement Quantity vide Page no								79.16			
	Quantity to be Paid								79.16	Cum	339.03	26,836.21
24	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page no -5, item no - 2.3)											
	Pre - Measurement Quantity vide Page no								44.41			
	Quantity to be Paid								44.41	Cum	339.03	15,055.13
25	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @220kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 465 cum machine mixed, machine mixed,concrete laid in layers not exceeding 15 cms. thick well compacted, in foundation and plinth, including cost of all material, labour HOM Machinery curing complete as per specification,(Page. No. 12 Item No. 4.2											
	Pre - Measurement Quantity vide Page no								13.48			
	Approved BOQ Quantity								13.26			
	Quantity Limited to								13.26	Cum	5889.44	78,067.41
26	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2(Page No : 15, item No : 4.28)											
	Pre - Measurement Quantity vide Page no								39.55			
	Approved BOQ Quantity								31.42			
	Quantity Limited to								31.42	Sqm	292.54	9,191.74
27	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 15, item No : 4.31)											
	Pre - Measurement Quantity vide Page no								187.01			
	Quantity to be Paid								187.01	Sqm	405.93	75,913.59

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Hyderabad Metropolitan Water Supply & Sewerage Board

Project Division, Yellareddy Zone

Name Of work :- The work of Development of Parks and construction of Toilets at A Nagar Parks in Ward No.66 Yellareddy New Town

Name of Agency :- Sri K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks	Rate	Amount
28	KSRB 4-6.5 : Providing and removing centering, shuttering, straining, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Page No : 16, item No : 4.32)											
	Pre - Measurement Quantity vide Page no								65.56			
	Approved BOQ Quantity								65.76			
	Quantity Limited to								65.76	Sqm	557.85	36,669.85
29	KSRB 4-6.2 : Providing and removing centering, shuttering, straining, propping etc., and removal of form work for suspended floors, landings, balconies and lintels, thickness upto 200 mm including cost of all materials, labour complete as per specificationsupto 3.50m from ground level. Specification No. KBS 4.6.2(Page No : 15, item No : 4.18)											
	Pre - Measurement Quantity vide Page no								116.20			
	Approved BOQ Quantity								116.20			
	Quantity Limited to								116.20	Sqm	455.56	52,945.36
30	KSRB 4-6.7 :Providing and removing centering, shuttering, straining, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.34)											
	Pre - Measurement Quantity vide Page no								99.37			
	Approved BOQ Quantity								99.35			
	Quantity Limited to								99.35	Sqm	294.80	29,291.87
31	KSRB 4-6.10 :Providing and removing centering, shuttering, straining, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2(Page No : 16, item No : 4.37)											
	Pre - Measurement Quantity vide Page no								7.02			
	Approved BOQ Quantity								5.06			
	Quantity Limited to								5.06	Sqm	366.25	1,853.83
32	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.6 (Page No : 13, item No : 4.11) Rate 20/07/2020, 30/07/2020 and 1/1/2020											
	Pre - Measurement Quantity vide Page no								47.11			
	Quantity to be Paid								47.11	Cum	6416.69	3,02,299.32

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
33	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles, and beams retaining walls, return walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (Page No : 14, item No : 4.13)												
	Pre - Measurement Quantity vide Page no								27.57			
	Approved BOQ Quantity								26.46			
	Quantity Limited to								26.46	Cum	6680.89	1,76,788.42
34	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Page No : 14, item No : 4.19)												
	Pre - Measurement Quantity vide Page no								5.19			
	Approved BOQ Quantity								5.04			
	Quantity Limited to								5.04	Cum	498.91	2,514.82
35	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500 (Page No : 17, item No : 4.46.2)												
	Pre - Measurement Quantity Page no 01								10.13			
	Approved BOQ Quantity								9.82			
	Quantity Limited to								9.82	Tonne	80467.78	7,90,370.63
	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification (Page No : 67, item No : 10.5)												
	Pre - Measurement Quantity vide Page no								209.16			
	Approved BOQ Quantity								130.00			
	Quantity Limited to								130.00	Sqm	596.43	77,535.53

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
37	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto SO m. and lift upto 1.S m. including cost of all labour complete as per specifications. specification. No. KBS(Page No : 67, item No : 10.5)											
	Pre - Measurement Quantity vide Page no								23.39			
	Quantity to be Paid								**23.39**	**Cum**	**227.91**	**5,330.07**
38	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4(Page No :25, item No : 5.27.1)											
	Pre - Measurement Quantity vide Page no								314.63			
	Quantity to be Paid								**314.63**	**Sqm**	**1034.11**	**3,25,364.98**
39	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.											
	Pre - Measurement Quantity vide Page no								329.47			
	Quantity to be Paid								**329.47**	**Sqm**	**327.69**	**1,07,965.60**
40	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications..(Page No.112, Item No.15.9)											
	Pre - Measurement Quantity vide Page no								306.97			
	Approved BOQ Quantity								**216.33**			
	Quantity Limited to								**216.33**	**Sqm**	**239.25**	**51,757.21**
41	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.											
	Pre - Measurement Quantity vide Page no								71.54			
	Approved BOQ Quantity								**59.80**			
	Quantity Limited to								**59.80**	**Sqm**	**266.46**	**15,934.58**
42	KSRB 15.10.2 Providing white washing for every one additional coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications. (Page No. 114, Item No. 15.39)											
	Pre - Measurement Quantity vide Page no								230.10			
	Approved BOQ Quantity								**216.33**			
	Quantity Limited to								**216.33**	**Sqm**	**6.80**	**1,471.77**

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division
Yelahanka Zone

Scanned by TapScanner

Bruhat Bengaluru Mahanagara Palike
Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Srsk Gopireddy
Bill No :- 1st and Final bill
Detailed Measurement

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
43	KSRB 15.10.4 Providing white washing to ceiling and / or sloping roof surface with additional one coat with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications.(Page No. 114, Item No. 15.41)											
	Pre - Measurement Quantity vide Page no								71.54			
	Approved BOQ Quantity								**59.80**			
	Quantity Limited to								**59.80**	**Sqm**	**7.94**	**474.65**
44	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P. No. 117, I.No. 15.53.2 of SR 2018-19).											
	Pre - Measurement Quantity vide Page no								364.75			
	Approved BOQ Quantity								**336.95**			
	Quantity Limited to								**336.95**	**Sqm**	**115.66**	**38,970.62**
45	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 116, item No :15.51.2)For internal walls.											
	watch man shed											
	internals wall		1	28.24			2.85		80.48			
	deduction for openings											
	D		-2	0.90			2.10		-3.78			
	W		-1	1.20			1.20		-1.44			
	W1		-1	1.00			0.75		-0.75			
	W2		-2	0.90			1.10		-1.98			
	V		-1	0.50			0.60		-0.30			
	Toilet											
	internals wall		1	33.60			2.85		95.76			
	deduction for openings											
	D		-4	0.90			2.10		-7.56			
	V		-2	0.70			0.65		-0.91			
	allalsandra Toilet											
	internal wall		1	27.70			2.85		78.95			
	deduction for openings								0.00			
	D		-2	0.90			2.10		-3.78			
	W		-2	1.20			0.90		-2.16			
	W1		-3	0.90			0.90		-2.43			
								Total Quantity	**230.10**			
								Quantity Limited to	**216.33**	**sqm**	**102.05**	**22,076.54**
	Providing and applying two coats with Plastic emulsion paint of approved brand wall surface to a give an even approved shade after throughly brushing the surface,free from mortar drops and other foreign matter, including priming , including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications,with primer. (Page No : 117, item No :15.51. 2 & 3) for ceiling											
	for celing											

Contractor

Consultants

Assistant Engineer

Asst. Executive Engineer
Project Division
Yalahanka Zone

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Brohat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Unit	Rate	Amount
	watch man shed											
	celing		1	5.05			4.70		23.74			
	Toilet											
	celing		1	3.45			4.55		15.70			
	allalsandra Toilet											
	celing		1	6.50			4.25		27.63			
								Total Quantity	67.06			
								Quantity Limited to	59.80	sqm	102.85	6,107.80
47	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. (Page No : 107, item No :14.45)											
	watch man room											
	flooring		1	5.05			4.70		23.74			
	skirting		1	19.50					19.50			
	deduction for toilet		-1	1.67			1.80		-3.01			
								Total Quantity	40.23			
								Quantity Limited to	39.78	sqm	1020.50	40,579.89
48	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles 400 x 400mm on a bed of 20mm thick (Page No : 106, item No :14.36.3)											
	watch man room											
	toilet flooring		1	1.80			1.80		3.24			
	Toilet room											
	flooring		1	2.20			2.35		5.17			
			1	2.20			2.35		5.17			
			1	1.30			2.35		3.06			
			1	1.30			2.35		3.06			
	allalsandra											
	toilet flooring		1	3.20			3.00		9.60			
			1	3.20			3.00		9.60			
	steps		2	1.50			0.85		2.55			
								Total Quantity	40.24			
								Quantity Limited to	40.20	sqm	1458.35	58,623.67
49	KSRB 14-17.2 : Providing skirting, dado, risers of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 – Colour glazed tiles 20x60 cms 6mm thick with border of size 20 x 10 cms. (P.No.106, I.No. 14.41.2 of PWD SR 2018-19)											
	watch man room											
	toilet wall		1	6.94			2.10		14.57			
	Toilet room											
	wall		1	9.00			2.10		18.90			
			1	9.00			2.35		21.15			
			2	7.20			2.10		15.12			

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division

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Name Of work : The work of Development of Parks and construction of toilets at 1 Sector Parks in Ward No 04 Vaikkom Nos Total

Name of Agency :- Siva Complexes

Bill No :- 1st and Final bill

Detailed Measurements

Sl. No.	Description of Item		Nos	L	B1	B2	H or width	Depth	Qty.	Remarks if any	Rate	Amount
			1	5.20			2.10		13.12			
	deduction for											
	D		3	0.90			2.10		5.67			
	V		3	0.70			0.65		1.37			
	attukandra											
	toilet wall		1	14.90			2.10		31.29			
	toilet		1	15.00			2.10		31.50			
	deduction for openings											
	D		2	0.90			2.10		3.78			
	W		2	1.20			0.90		2.16			
	W1		3	0.90			0.90		2.43			
							Total Quantity		132.65			
							Quantity Limited to		128.75	sqm	1830.51	2,38,216.38
50	KSRB 9.4.3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plants grooves (excluding cost of cement concrete and side clamps), but excluding cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBR 9.33 (Page No : 51, item No :9.11)											
	watch man room											
	D		2	6.80		0.10	0.10		0.13			
	toilet room											
	D		4	6.80		0.10	0.10		0.26			
	W		1	4.80		0.10	0.10		0.05			
	W1		1	3.80		0.10	0.10		0.04			
	W2		1	4.00		0.10	0.10		0.04			
	attukandra											
	toilet room											
	D		2	8.20		0.10	0.10		0.12			1178.78
							Total Quantity		0.64	sqm	1850.51	1,178.78
51	KSRB 9.5.3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 (Page No : 51, item No :9.16)											
	watch man room											
	D		2	1.00			2.10		4.20			
	W		1	1.20			1.20		1.44			
	W1		1	1.00			0.75		0.75			
	W2		1	0.90			1.10		0.99			
							Total Quantity		7.38	sqm	4313.33	31,832.34

Contractor

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
52	Providing and fixing factory made single leaft rigid GRP Sandwich composite door shutter of 32mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and on layer of 45 gsm E-Glass Chopped strand Mat (CSM), impregnated with orthopthalic polyster resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 29mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not less than 28mmx32mm and also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc, shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the Salwood reinforcement and the skins. The material and process for manufacturing the door shutters shall confirm to RV/TIFAC Composites Design centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain colour White/Ivory/Beige/Light Grey or any other colour using high quality pigments. Exclusing cost of fixtures and inclusive of supply of shutters to respective work spot. (Page No : 58, item No :9.93)											
	toilet block											
	D		4	0.90			2.10		7.56			
	Allalsandra											
	toilet block											
	D		5	0.90			2.10		9.45			
							Total Quantity		**17.01**	**sqm**	**3401.68**	**57,862.51**
53	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS using aluminium section anodized to 12 - 15 microns. (P.No. 301/ I. No. 7.10.1											
	toilet block											
	V		2	0.70			0.65		0.91			
	Watch man room toilet											
	V		1	0.70			0.65		0.46			
	Allalsandra toilet											
	W1		2	1.20			0.90		2.16			
	W2		3	0.90			0.90		2.43			
							Total Quantity		5.96			
							Quantity Limited to		5.76	sqm	4794.10	27,613.99

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
54	KSRB 15-17.4 : Applying priming coat over new wood surface and / or wood based surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications.(Page. No. 118 Item No. 15.58)											
	watch man room											
	D		2	1.00			2.10		4.20			
	W		1	1.20			1.20		1.44			
	W1		1	1.00			0.75		0.75			
	W2		1	0.90			1.10		0.99			
							Total Quntity		**7.38**	**sqm**	**56.69**	**418.41**
55	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.(Page. No. 118 Item No. 15.60.1)											
	watch man room											
	D		2	1.00			2.10		4.20			
	W		1	1.20			1.20		1.44			
	W1		1	1.00			0.75		0.75			
	W2		1	0.90			1.10		0.99			
	allalsandra toilet											
	D		2	0.90			2.10		3.78			
							Total Quantity		**11.16**			
							Quantity Limited to		**7.56**	**sqm**	**109.99**	**831.51**
56	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locI<ing arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1 000 litre capacity) Specification No.KBS 13.22 (P.No.94, I.No.13.78 of PW, P&IWTD S.R 2018-19)											
	Storage tank		1	4.00					4.00			
							Total Quantity		**4.00**	**Each**	**7742.21**	**30,968.86**
57	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (P.No.96, I.No. 13.86.2 of PWD SR 2018-19)											
				Pre - Measurement Quantity vide Page no					**200.00**			
				Quantity to be Paid					**200.00**	**m**	**266.46**	**53,292.92**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
58	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 25mm nominal OD pipes(P.No.96, I.No. 13.86.3 of PWD SR 2018-19)											
				Pre - Measurement Quantity vide Page no					200.00			
				Quantity to be Paid					**200.00**	**m**	**332.23**	**66,446.07**
59	KSRB13-8.5 : Providing and fixing to wall, ceiling and floor, low density polyethylene pipes 6.00 kgf/sq.cm working pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.1 / 13.9(P.No.94, I.No.13.70.4 of PW, P&IWTD S.R 2018-19)											
				Pre - Measurement Quantity vide Page no					100.00			
				Quantity to be Paid					**100.00**	**m**	**430.88**	**43,087.90**
60	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (P.No.82, I.No. 12.41 of PWD SR 2018-19)											
			5						5.00			
				Total Quantity					**5.00**	**unit**	**1288.10**	**6,440.51**
61	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. (P.No. 88, I.No. 12.111 of PWD SR 2018-19)											
			10						10.00			
				Total Quantity					**10.00**	**Each**	**170.08**	**1,700.84**
62	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). - 10cms x 7.5cms (P.No. 88, I.No. 12.113.1 of PWD SR 2018-19)											
			23						23.00			
				Total Quantity					**23.00**	**Each**	**283.47**	**6,519.88**
63	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 (P.No. 91, I.No. 13.23 of PWD SR 2018-19)											
			23						23.00			
				Total Quantity					**23.00**	**Each**	**215.44**	**4,955.12**
64	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.34 of CSR 2018-19)											
			8.00						8.00			
				Total Quantity					**8.00**	**Each**	**509.12**	**4,072.96**

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work : -The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.k.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurment

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
65	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (P.No.91/ I.No. 13.33 of CSR 2018-19)											
			12.00									
								Total Quantity	12.00	Each	380.99	4,571.88
66	Constructing brick masonry inspection chamber 450x450mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 450x450mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 450x450mm (P.No. 73/ I.No.11.50.2 of PWD SR 2018-19)											
			12.00									
								Total Quantity	12.00	Each	6009.63	72,115.53
67	KSRB 11 -6 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, S-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre white glazed I vitreous china clay low level, flushing cistern (all are approved make) with fittings, C.1 I M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications											
			10									
								Total Quantity	10.00	Each	5450.62	54,506.19
68	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.80 I.No.12.23 of CSR 2018-19)											
			8.00									
								Total Quantity	8.00	Each	4543.51	36,348.04
69	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (P.No. 77, I.No.12.2 of PWD SR 2018-19)											
			7.00						7.00			

Contractor Consultants Assistant Engineer Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Project Division, Yelhanka Zone

Name Of work :-The work of Development of Parks and construction of Toilets at 6 Senior Parks in Ward No 16 Yelahanka New Town.

Name of Agency :- Sri.K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurement

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/ title	Rate	Amount
								Total Quantity	7.00	Each	4789.56	33,526.92
70	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 (P.No.79 LNo.12.7 of CSR 2018-19)											
		8.00							8.00			
								Total Quantity	8.00	Each	3483.32	27,866.56
71	KSRB 12-1.2 : Providing and laying in position to required level or slope 150mm internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5 / 12.7 (P.No.70 LNo.11.2 of CSR 2018-19)											
	Pre - Measurement Quantity vide Page no											
	Quantity to be Paid								75.00	m	417.27	31,295.42
72	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing, complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - -150mm dia (P.No.246, LNo.34.7.1 of CSR 2018-19)											
	Pre - Measurement Quantity vide Page no								60.00			
	Quantity to be Paid								60.00	m	443.35	26,601.00
73	Providing Square Tank Covers of size 24" X 24" at 21kgs(Page No : XXXVI)											
		2.00							2.00			
								Total Quantity	2.00	Each	1336.52	2,673.05
74	Providing Footsteps of size 15" X 14" Heavy (Page No : XXXVI)											
		10.00							10.00			
								Total Quantity	10.00	Each	291.02	2,910.22
	Rain water harvesting											
75	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(6) / 2.3.5											
	Pre - Measurement Quantity vide Page no								60.83			
	Quantity to be Paid								60.83	cum	220.36	13,402.28
	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 - (1:4:8 - (M7.5)) with OPC cement @ 180kgs. with 40mm and down size graded granite metal course aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.2											

Contractor

Consultants

Assistant Engineer

Assistant Executive Engineer

Asst. Executive Engineer
Project Division

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Bruhat Bengaluru Mahanagara Palike

Project Division, Yelhanka Zone

Name Of work :- The work of Development of Parks and construction of Toilets at A Sector Parks in Ward No 04 Yalahanka New Town.

Name of Agency :- Sri.K.Gopireddy

Bill No :- 1st and Final bill

Detailed Measurement

Sl. No.	Description of Item	sides	No's	L	B1	B2	Avg width	Depth	Qty.	Remarks/Units	Rate	Amount
	Pre - Measurement Quantity vide Page no								1.19			
	Quantity to be Paid								1.19	cum	5677.99	6,771.00
77	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm. dia											
	Pre - Measurement Quantity vide Page no								21.20			
	Quantity to be Paid								21.20	cum	1707.18	36,192.20
78	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 1200mm dia											
	Pre - Measurement Quantity Page no 01								32.00			
	Quantity to be Paid								32.00	m	6274.50	2,00,783.88
79	Filter media stone aggregate 60mm &down size with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work											
	Pre - Measurement Quantity vide Page no								10.85			
	Quantity to be Paid								10.85	cum	1407.98	15,279.16
80	Crushed stone aggregate 13.2mm to 10mm with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work											
	Pre - Measurement Quantity vide Page no								10.85			
	Quantity to be Paid								10.85	cum	1457.58	15,817.38
81	Sand/ Artificial Sand/ Manufactured Sand with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work											
	Pre - Measurement Quantity vide Page no								4.52			
	Quantity to be Paid								4.52	cum	2125.31	9,609.81
82	Supplying and Fixing of Garbage bins rectangular with permanent structure series without arch 100litre capacity approved by Engineer in charge											
	garbage bins		6						6.00			
								Total Quantity	6.00	No's	19370.66	1,16,223.93
83	Executive bench made out of saduralli grey stone with hand suport 3 line finishing with arch design with 100cm slabs height 90% length 45cms (data approved rate)											
	Benches		13						13.00			
								Total Quantity	13.00	No's	19108.18	2,48,406.34
	Borewell											

Contractor

Assistant Engineer

Asst. Executive Engineer
Project Division

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